



1
00:00:05,670 --> 00:00:03,189
hi i'm jana petro the director of the

2
00:00:07,829 --> 00:00:05,680
kennedy space center it's always an

3
00:00:09,750 --> 00:00:07,839
honor to share about the incredible work

4
00:00:12,870 --> 00:00:09,760
that is being carried out at america's

5
00:00:15,589 --> 00:00:12,880
spaceport as we continue to enable safe

6
00:00:17,349 --> 00:00:15,599
secure access to space

7
00:00:20,230 --> 00:00:17,359
this year kennedy space center

8
00:00:22,710 --> 00:00:20,240
celebrates our 60th anniversary and as

9
00:00:25,750 --> 00:00:22,720
we look back over the six decades of

10
00:00:27,670 --> 00:00:25,760
science technology and exploration we

11
00:00:30,550 --> 00:00:27,680
are reminded that we stand on the

12
00:00:32,549 --> 00:00:30,560
shoulders of giants the pioneers who

13
00:00:35,270 --> 00:00:32,559

were charged with sending a man to the

14

00:00:37,110 --> 00:00:35,280

moon and returning him safely to earth

15

00:00:39,910 --> 00:00:37,120

didn't just pave the way for the work we

16

00:00:42,310 --> 00:00:39,920

are doing today they blazed a path to

17

00:00:44,630 --> 00:00:42,320

the deep recesses of our universe and

18

00:00:47,350 --> 00:00:44,640

the beacon of that achievement calls us

19

00:00:50,389 --> 00:00:47,360

to even greater endeavors

20

00:00:52,950 --> 00:00:50,399

2021 saw some incredible milestones as

21

00:00:54,630 --> 00:00:52,960

we supported continued science and human

22

00:00:56,869 --> 00:00:54,640

presence on the international space

23

00:00:59,349 --> 00:00:56,879

station through three commercial

24

00:01:01,830 --> 00:00:59,359

resupply missions as well as two

25

00:01:04,229 --> 00:01:01,840

operational crew rotation missions

26
00:01:06,390 --> 00:01:04,239
through our commercial crew program

27
00:01:09,109 --> 00:01:06,400
while this was taking place close to our

28
00:01:11,350 --> 00:01:09,119
planet nasa's launch services program

29
00:01:12,550 --> 00:01:11,360
supported important science missions

30
00:01:15,190 --> 00:01:12,560
like dart

31
00:01:17,910 --> 00:01:15,200
lucy and ixby which will help us to

32
00:01:19,109 --> 00:01:17,920
unlock the mysteries of our universe

33
00:01:21,670 --> 00:01:19,119
through increased commercial

34
00:01:23,590 --> 00:01:21,680
partnerships we are unlocking access to

35
00:01:26,390 --> 00:01:23,600
space and pushing the boundaries of

36
00:01:29,749 --> 00:01:26,400
discovery ensuring our nation remains at

37
00:01:31,910 --> 00:01:29,759
the forefront of space exploration

38
00:01:33,990 --> 00:01:31,920

perhaps the most exciting milestone for

39

00:01:36,550 --> 00:01:34,000

us this year is the maiden flight of

40

00:01:37,429 --> 00:01:36,560

space launch system and orion on artemis

41

00:01:39,429 --> 00:01:37,439

one

42

00:01:41,990 --> 00:01:39,439

last year we had shared that the final

43

00:01:44,630 --> 00:01:42,000

piece of flight hardware the sls core

44

00:01:46,550 --> 00:01:44,640

stage had arrived at ksc

45

00:01:49,030 --> 00:01:46,560

since then the teams at kennedy have

46

00:01:52,149 --> 00:01:49,040

been working tirelessly to assemble

47

00:01:54,069 --> 00:01:52,159

integrate and test sls and orion as

48

00:01:55,670 --> 00:01:54,079

artemis one prepares to take this

49

00:01:59,749 --> 00:01:55,680

historic trip

50

00:02:01,830 --> 00:01:59,759

in march orion and sls crawled 4.3 miles

51
00:02:04,389 --> 00:02:01,840
from the vehicle assembly building to

52
00:02:07,270 --> 00:02:04,399
the historic launch pad 39b for the wet

53
00:02:08,710 --> 00:02:07,280
dress rehearsal the final critical test

54
00:02:11,190 --> 00:02:08,720
before launch

55
00:02:13,750 --> 00:02:11,200
and after liftoff artemis 1 will travel

56
00:02:16,309 --> 00:02:13,760
a total of 1.3 million miles around the

57
00:02:18,070 --> 00:02:16,319
moon and back gathering critical data

58
00:02:20,790 --> 00:02:18,080
and setting the stage for the crude

59
00:02:22,630 --> 00:02:20,800
flights of artemis 2 and 3.

60
00:02:25,110 --> 00:02:22,640
flight hardware for these subsequent

61
00:02:27,830 --> 00:02:25,120
flights is staged at kennedy and deep

62
00:02:30,390 --> 00:02:27,840
space logistics teams continue to

63
00:02:32,869 --> 00:02:30,400

develop plans for the gateway outpost a

64

00:02:34,790 --> 00:02:32,879

critical component of the artemis lunar

65

00:02:36,949 --> 00:02:34,800

exploration program

66

00:02:38,869 --> 00:02:36,959

through artemis we will see the first

67

00:02:40,550 --> 00:02:38,879

woman and the first person of color on

68

00:02:42,390 --> 00:02:40,560

the lunar surface

69

00:02:45,110 --> 00:02:42,400

we will develop and implement the

70

00:02:47,190 --> 00:02:45,120

science necessary for long-term human

71

00:02:49,430 --> 00:02:47,200

presence in deep space and we will

72

00:02:52,710 --> 00:02:49,440

utilize our knowledge to prepare for

73

00:02:55,110 --> 00:02:52,720

future human missions to mars

74

00:02:57,430 --> 00:02:55,120

as we face the frontier of space this

75

00:02:59,910 --> 00:02:57,440

program will cement u.s leadership in

76

00:03:02,149 --> 00:02:59,920

space exploration while engaging

77

00:03:04,869 --> 00:03:02,159

international partners aspiring to

78

00:03:07,350 --> 00:03:04,879

contribute to a sustained presence on

79

00:03:09,270 --> 00:03:07,360

and around the moon and ultimately mars

80

00:03:11,830 --> 00:03:09,280

for years to come

81

00:03:13,910 --> 00:03:11,840

strong bipartisan support in washington

82

00:03:16,149 --> 00:03:13,920

and the president's robust budget

83

00:03:18,550 --> 00:03:16,159

request the largest science funding

84

00:03:21,430 --> 00:03:18,560

request in nasa's history reflect

85

00:03:24,229 --> 00:03:21,440

confidence in our agency and our mission

86

00:03:27,030 --> 00:03:24,239

the president's request also allows nasa

87

00:03:29,670 --> 00:03:27,040

to continue advancing science as we

88

00:03:32,229 --> 00:03:29,680

strive to understand earth's climate

89

00:03:34,789 --> 00:03:32,239

conduct groundbreaking research on orbit

90

00:03:38,869 --> 00:03:34,799

and invest in robotic missions that pave

91

00:03:40,789 --> 00:03:38,879

the way for off-earth human exploration

92

00:03:43,270 --> 00:03:40,799

while we are undertaking these ventures

93

00:03:45,110 --> 00:03:43,280

beyond our atmosphere kennedy is also

94

00:03:47,270 --> 00:03:45,120

postured to meet the demands of the

95

00:03:50,149 --> 00:03:47,280

future here on earth

96

00:03:52,630 --> 00:03:50,159

as early as the 1970s kennedy space

97

00:03:54,309 --> 00:03:52,640

center was called america's spaceport

98

00:03:56,789 --> 00:03:54,319

and as i look around the bustling

99

00:03:59,270 --> 00:03:56,799

operations we support every day i know

100

00:04:01,589 --> 00:03:59,280

we are living up to that name

101
00:04:04,390 --> 00:04:01,599
we are creating partnerships that enable

102
00:04:07,589 --> 00:04:04,400
sustainability and enhance usability at

103
00:04:10,630 --> 00:04:07,599
our spaceport kennedy has more than 90

104
00:04:13,110 --> 00:04:10,640
private sector partners and nearly 250

105
00:04:15,190 --> 00:04:13,120
partnership agreements in place and we

106
00:04:18,229 --> 00:04:15,200
partner with government and industry to

107
00:04:20,310 --> 00:04:18,239
provide space launch services and hosted

108
00:04:22,870 --> 00:04:20,320
government payload arrangements to

109
00:04:26,230 --> 00:04:22,880
ensure the united states has reliable

110
00:04:29,189 --> 00:04:26,240
resilient and diverse access to space

111
00:04:31,189 --> 00:04:29,199
we are embracing increased efficiencies

112
00:04:33,350 --> 00:04:31,199
by modernizing our space launch

113
00:04:35,670 --> 00:04:33,360

infrastructure we are enhancing

114

00:04:39,350 --> 00:04:35,680

operational efficiency increasing

115

00:04:41,590 --> 00:04:39,360

capacity and reducing launch costs

116

00:04:44,150 --> 00:04:41,600

organizations are able to unify

117

00:04:46,950 --> 00:04:44,160

manufacturing integration testing and

118

00:04:49,270 --> 00:04:46,960

launch services to a single center and

119

00:04:51,990 --> 00:04:49,280

kennedy is employing a master plan that

120

00:04:55,270 --> 00:04:52,000

allows for increased capabilities for

121

00:04:57,430 --> 00:04:55,280

existing and future commercial partners

122

00:05:00,230 --> 00:04:57,440

spacex recently submitted their notice

123

00:05:03,189 --> 00:05:00,240

of availability response to develop

124

00:05:05,430 --> 00:05:03,199

launch complex 49 to support launch and

125

00:05:07,590 --> 00:05:05,440

landing operations for its starship

126
00:05:09,270 --> 00:05:07,600
super heavy vehicle and while we're

127
00:05:12,070 --> 00:05:09,280
still in the very early stages of

128
00:05:15,350 --> 00:05:12,080
analysis this type of growth indicates

129
00:05:17,189 --> 00:05:15,360
the robust capabilities of our spaceport

130
00:05:20,150 --> 00:05:17,199
we are impacting our surrounding

131
00:05:21,990 --> 00:05:20,160
communities generating upwards of 5.2

132
00:05:24,870 --> 00:05:22,000
billion dollars through the employment

133
00:05:27,990 --> 00:05:24,880
of more than 12 thousand workers

134
00:05:31,270 --> 00:05:28,000
overall kennedy supports more than 27

135
00:05:33,029 --> 00:05:31,280
000 jobs in the central florida area

136
00:05:35,590 --> 00:05:33,039
partnering with the community means we

137
00:05:37,909 --> 00:05:35,600
are strengthening the economy enabling

138
00:05:40,310 --> 00:05:37,919

area growth and ensuring the health of

139

00:05:42,230 --> 00:05:40,320

the spaceport and space coast for

140

00:05:43,990 --> 00:05:42,240

generations to come

141

00:05:46,790 --> 00:05:44,000

and we are doing all of this while

142

00:05:49,270 --> 00:05:46,800

focusing on environmentally responsible

143

00:05:51,670 --> 00:05:49,280

practices and sustainability as we

144

00:05:54,550 --> 00:05:51,680

prioritize the long-term health of the

145

00:05:55,909 --> 00:05:54,560

land and wildlife we are responsible for

146

00:05:58,390 --> 00:05:55,919

stewarding

147

00:06:00,230 --> 00:05:58,400

this year marks 60 years of kennedy

148

00:06:02,150 --> 00:06:00,240

space center leading the way from

149

00:06:03,990 --> 00:06:02,160

mercury to mars and we are more

150

00:06:06,469 --> 00:06:04,000

committed than ever to honoring the

151

00:06:09,029 --> 00:06:06,479

legacy of our history even as we are

152

00:06:12,070 --> 00:06:09,039

hard at work writing the next chapter

153

00:06:14,469 --> 00:06:12,080

a chapter that is made possible by you

154

00:06:16,950 --> 00:06:14,479

this is a year of celebration a year of

155

00:06:20,150 --> 00:06:16,960

science and a year of discovery and

156

00:06:22,390 --> 00:06:20,160

you're invited to celebrate alongside us

157

00:06:24,629 --> 00:06:22,400

print out a poster and proudly display

158

00:06:26,150 --> 00:06:24,639

it and join us virtually for one of our